Rahul Mahajan

B. Tech CSE, VIT University, rahulmahajan2810@gmail.com, github.com/rahulvit32, +919644262726

Education

Year	Degree	Institute	Percentage
2017-Present	B. Tech CSE	VIT University	9.03/10
2016	Class XII (MP Board)	SVVM	86.80/100
2014	Class X (CBSE)	St. Jude HSS	9.20/10

Areas of Interest

Software Development, Web Development, Machine Learning, Natural Language Processing (NLP)

Computer Skills

- Programming Languages: C/C++, Python, Java, MySQL, CSS/HTML, Bootstrap
- Tools/Frameworks: Streamlit, Scikit-learn, TensorFlow, NLTK, Git, Visual Studio Code, Postman, pgAdmin3
- Theories/Lab - Data Structure and Algorithms (L+T), Machine Learning (L+T), Statistics(L+T), DBMS(L)

Work Experience

Kritin Digital Solution PVT LTD   **(May – June '19)**
- Added functionalities in Ulike mobile which is a web application which deals with the concept of wholesale business in which only admin has the authority to add the products which can be bought by dealers and retailers.
- Created API (Http get and post) in the .net framework using C#.
- Integrated web services in React.

Projects

NLPfy   **(Summer '20)**
- Created an NLP Model and deployed it using Streamlit Framework to create a Web Application that preforms various tasks such as Sentiment Analysis, Named Entity Recognition (text and URL) and Text Summarization.
- Built Text Summarizer using TextRank Algorithm along with Stemming, Stopwords, and Word Embedding Models (GloVe).
- Used Beautiful Soup for extracting text from websites for analysing different types of tags in the text.

Network Intrusion Detection System using Auto Encoder   **(Winter '19)**
- Implemented an algorithm for Network Intrusion Detection System (NIDS) with the NSL-KDD dataset regarding various malicious attacks that might infect our network.
- Also, implemented simple auto-encoder as well as stacked auto-encoder and compared their accuracy with other Machine Learning algorithms like random forest and logistic regression.

Inter-Process Communication using sockets   **(Summer '19)**
- Successfully established an inter-process communication between server machine and client machines to chat in a friendly and compatible GUI format.
- Used an important OS library of python named psutil to achieve our goal. Also, we have used tkinter GUI for communication purposes.

Medicine Reminder Using Arduino   **(Winter '19)**
- Integrated the real-time module to check time corresponding to an alarm set in our Arduino based device.
- Implemented a cardboard box using servo motor which will give you what particular medicine you need to take.
- The device displays the current Date and Time using the LCD.

Travel Tour   **(Summer '18)**
- This website helps you to find a volunteer for your tour to get the most out of your vacation. You can select the volunteer based on ratings and reviews given by other peoples.
- The details are available about your tour guide and other special activities to be conducted.

Achievements / Certifications / Extracurricular Activities

- Won 1st position out of 6 teams that conducted various events in the technical fest.
- Member of Open Source Programming Club and conducted a workshop related to Git and GitHub basics.
- Certificate for completing the Advanced C++ course provided by Udemy.
- Certificate for completing Data Structure and Algorithm & Competitive Programming course by Coding Ninja.
- Certificate for completing Natural Language Processing in TensorFlow by deeplearning.ai from coursera.
- Certificate for completing Core Java course provided by Universal Informatics (Indore).